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PATENT

Applicant: Swanson et al.

Serial No.: 09/505,354

Filing Date: February 16, 2000

Title: Composite Structures and
Methods for Ablating Tissue to Form
Complex Lesion Patterns in the Treatment
of Cardiac Conditions and the Like

Group Art Unit: 3737

Examiner: Unassigned

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner For Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.56, the references listed on the attached form PTO-1449 are being brought to the attention of the examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed. It is respectfully requested that the examiner indicate consideration of the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks, and that the references be made of record as cited references in the application.

The references have been cited in one or more of the following potentially related commonly assigned applications: Ser. Nos. 08/529,354, 08/752,162, 08/763,169, 08/763,170, 08/772,065, 08/847,922, 09/111,308, 09/460,296, 90/905,594 and U.S. Patent Nos. 5,545,193, 5,549,661, 5,575,810, 5,871,523, 6,001,093.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), as an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists. The filing of this information disclosure statement shall not be construed as an admission against interest in any manner.

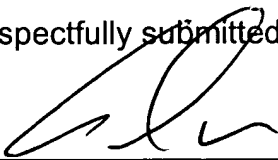
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The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0638. Should such fees be associated with an extension of time, applicant respectfully requests that this paper be considered a petition therefor.

4/25/00
Date

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Respectfully submitted,



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Reg. No. 35,362
Attorney for Applicant

FORM PTO-1449 (Modified)				Docket No.: 015916-069i		Serial No.: 09/505,354	
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT				Applicant: Swanson et al.			
				Filing Date: 02/16/00		Art Unit: 3737	
UNITED STATES PATENT DOCUMENTS							
*Exr's. Inits.	Ref.	Patent No.	Date	Name	Class	Sub Class	Filing Date (if applicable)
	AA	2,245,880	06/1941	Tipton			
	AB	3,230,957	01/1966	Seifert			
	AC	3,796,984	11/1973	Muench			
	AD	4,481,953	11/1984	Gold et al.			
	AE	4,522,212	06/1985	Gelinas et al.			
	AF	4,532,924	08/1985	Auth et al.			
	AG	4,641,649	02/1987	Walinsky et al.			
	AH	4,643,186	02/1987	Rosen et al.			
	AI	4,660,571	04/1987	Hess et al.			
	AJ	4,677,990	07/1987	Neubauer			
	AK	4,699,147	10/1987	Chilson et al.			
	AL	4,724,836	02/1988	Okada			
	AM	4,759,378	07/1988	Swendson et al.			
	AN	4,765,331	08/1988	Petruzzi et al.			
	AO	4,860,769	08/1989	Fogarty et al.			
	AP	4,892,102	01/1990	Astrinsky			
FOREIGN PATENT DOCUMENTS							
Exr's. Init.	Ref	Document No.	Date	Country	Class	Sub	Translation? Yes No
	AQ	0 317 489	05/1989	EPC			
	AR	WO89/06148	07/1989	PCT			
OTHER REFERENCES (Including Author, Date, Title, Pertinent Pages, Etc.)							
Exr's. Init.	Ref.	Bibliographic Data					
	AS	✓ "Delivery of Radiofrequency Energy to All Four Poles of a Catheter Increases Lesion Size," Sean C. Mackey et al., Oct. 1992, p. 3119.					
	AT	✓ "Observations on Electrode-Tissue Interface Temperature and Effect on Electrical Impedance During Radiofrequency Ablation of Ventricular Myocardium," Haines, et al., <u>Circulation</u> , Sept. 1990, pp. 1034-1038.					
	AU	✓ "Catheter Ablation of the Atrioventricular Junction with Radiofrequency Energy," Jonathan J. Langberg M.D. et al., <u>Circulation</u> , Dec. 1989, Vol. 80 No. 6, pp. 1527-1535.					
Examiner		Date Considered					
* Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. ¶ 609. Draw line through citation (i.e., citation) if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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*Exr's. Inits.	Ref.	Patent No.	Date	Name	Class	Sub Class	Filing Date (if applicable)
	AA	4,913,142	04/1990	Kittrell et al.			
	AB	4,934,049	06/1990	Kiekhafer			
	AC	4,940,064	07/1990	Desai			
	AD	5,016,808	05/1991	Heil			
	AE	5,026,959	06/1991	Ito et al.			
	AF	5,057,106	10/1991	Kasevich et al.			
	AG	5,078,716	01/1992	Doll			
	AH	5,101,836	04/1992	Lee			
	AI	5,117,828	06/1992	Metzger et al.			
	AJ	5,150,717	09/1992	Rosen et al.			
	AK	5,156,151	10/1992	Imran			
	AL	5,186,171	02/1993	Kuhry			
	AM	5,192,280	03/1993	Parins			
	AN	5,197,963	03/1993	Parins			
	AO	5,215,103	06/1993	Desai			
	AP	5,228,442	07/1993	Imran			
FOREIGN PATENT DOCUMENTS							
Exr's. Init.	Ref	Document No.	Date	Country	Class	Sub	Translation? Yes No
	AQ	WO93/04734	✓ 03/1993	PCT			
	AR						
OTHER REFERENCES (Including Author, Date, Title, Pertinent Pages, Etc.)							
Exr's. Init.	Ref.	Bibliographic Data					
	AS	✓ "Atrial Flutter--Update on the Mechanism and Treatment," Olshanky et al., <u>PACE</u> , Dec. 1992.					
	AT	✓ "Radiofrequency Ablation of the Inferior Vena Cava-Tricuspid Valve Isthmus in Common Atrial Flutter" (Abstract), Cosio et al., <u>AM J Cardio</u> , March 1993.					
	AU	✓ "Efficacy of Radiofrequency Ablation of Atrial of Tissue in Common Atrial Flutter," Kirkorian et al., <u>NASPE</u> , May 1993.					
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	AA	5,237,996	08/1993	Waldman et al.			
	AB	5,239,999	08/1993	Imran			
	AC	5,242,441	09/1993	Avitall			
	AD	5,255,679	10/1993	Imran			
	AE	5,263,493	11/1993	Avitall			
	AF	5,265,623	11/1993	Kroll et al.			
	AG	5,275,162	01/1994	Edwards et al.			
	AH	5,281,218	01/1994	Imran			
	AI	5,290,286	03/1994	Parins			
	AJ	5,293,868	03/1994	Nardella			
	AK	5,293,869	03/1994	Edwards et al.			
	AL	5,311,866	05/1994	Kagen et al.			
	AM	5,313,943	05/1994	Houser et al.			
	AN	5,322,064	06/1994	Lundquist			
	AO	5,324,284	06/1994	Imran			
	AP	5,327,889	07/1994	Imran			
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	AS	✓ Radiofrequency Catheter Ablation of Atrial Arrhythmias Results and Mechanisms," Michael D. Lesh M.D., <u>Circulation</u> , March 1994, Vol. 89 No. 3, pp. 1974-1089.					
	AT	✓ Catheter Ablation of Atrial Flutter Using Radio Frequency Energy," (Abstract) Hugh Calkins et al., <u>Circulation</u> , Oct. 1992.					
	AU	✓ Radiofrequency Catheter Ablation for the Treatment of Human Type 1 Atrial Flutter. Identification of a Critical Zone in the Reentrant Circuit By Endocardial Mapping Techniques," (Abstract), Feld et al., <u>Circulation</u> , Oct. 1992, pp. 1233-40.					
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	AA	5,327,905	07/1994	Avitall			
	AB	5,328,467	07/1994	Edwards et al.			
	AC	5,334,193	08/1994	Nardella			
	AD	5,341,807	08/1994	Nardella			
	AE	5,345,936	09/1994	Pomeranz et al.			
	AF	5,348,554	09/1994	Imran et al.			
	AG	5,354,297	10/1994	Avitall			
	AH	5,357,956	10/1994	Nardella			
	AI	5,358,478	10/1994	Thompson			
	AJ	5,365,926	11/1994	Desai			
	AK	5,366,443	11/1994	Eggers et al.			
	AL	5,370,644	12/1994	Langberg			
	AM	5,370,678	12/1994	Edwards et al.			
	AN	5,383,874	01/1995	Jackson et al.			
	AO	5,383,917	01/1995	Desai et al.			
	AP	5,397,341	03/1995	Hirschberg			
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	AS	✓ "Radiofrequency Catheter Ablation of Common Type Atrial Flutter," Nakagawa et al., <u>NASPE</u> , May 1993.					
	AT	✓ "Catheter Ablation of Atrial Flutter Circuits" (Abstract), Cosio et al., <u>PACE</u> , March 1993.					
	AU	✓ "Radiofrequency Current Delivery by Way of BiPolar Tricuspid Annulus-mitral Annulus Electrode Configuration for Ablation of Posteroseptal Accessory Pathways," (Abstract), Bashir et al., <u>J. Am. Coll. Cardiol.</u> , Aug. 1993.					
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	AA	5,403,311	04/1995	Abele			
	AB	5,405,346	04/1995	Grundy et al.			
	AC	5,411,025	05/1995	Webster, Jr.			
	AD	5,433,198	07/1995	Desai et al.			
	AE	5,454,370	10/1995	Avitall			
	AF	5,472,441	12/1995	Edwards			
	AG	5,487,385	01/1996	Avitall			
	AH	5,500,012	03/1996	Brucker et al.			
	AI	5,573,533	11/1996	Strul			
	AJ	5,582,609	12/1996	Swanson et al.			
	AK	5,607,422	03/1997	Smeets			
	AL	5,626,136	05/1997	Webster			
	AM	5,651,780	07/1997	Jackson et al.			
	AN	5,673,695	10/1997	McGee			
	AO	5,800,428	09/1998	Nelson			
	AP	5,800,482	09/1998	Pomeranz			
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	AS	✓ "Electrotherapy of Supraventricular Tachycardia" (Abstract), Hoffman, et al., <u>Z. Gesamte Inn Med.</u> , Sept. 1993.					
	AT	✓ "Radiofrequency Catheter Ablation for Management of Cardiac Tachyarrhythmias" (Abstract), Wood et al., <u>AM. J. Med. Sci.</u> , Oct. 1993.					
	AU	✓ "Atrial Fibrillation and Atrial Flutter" (Abstract), Geraets et al., <u>Clin. Pharm.</u> , Oct. 1993.					
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	AS	✓ "Intracardiac Echocardiography Radiofrequency Catheter Ablation of Cardiac Arrhythmias," Chu et al., <u>NASPE</u> , April 1993.					
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	AU						
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